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The ***FEMP MONTHLY UPDATE*** is prepared expressly for the Department of Energy's Office of Federal Energy Management Programs (FEMP). The purpose of the ***UPDATE*** is to provide FEMP management staff with timely information on topics relevant to the program. This includes the status of pending Federal and state legislation and summaries of public and private sector energy-related activities. The ***FEMP MONTHLY UPDATE*** is prepared for FEMP by Energetics, Incorporated, (202) 479-2748.

DOE BULLETIN BOARD

DON'T FORGET!

Energy 2002 is coming up in Palm Springs, California! Go to the FEMP web page at www.eren.doe.gov/femp to register.

EARTH DAY ANNOUNCEMENT

On April 22, during the 32nd annual Earth Day celebration, Secretary of Energy Spencer Abraham announced the Department's largest purchase of renewable energy in the agency's history. In making his announcement, the Secretary said, "Today I am pleased to announce that the Department of Energy will purchase electricity generated from renewable resources to power roughly 17 percent of our electricity needs at DOE Headquarters, including our Germantown facilities. Our new contract calls for an annual purchase of 6 million kilowatt hours, roughly the amount of electricity needed to power 600 homes each year."

For more information, refer to the DOE press release at www.energy.gov/HQPress/releases02/aprpr/pr02068.htm.

EIA REPORTS

Short Term Energy Outlook, Energy Information Administration (EIA), April 2002.

Crude oil prices rose sharply in March—almost \$4.00 per barrel from the average February level. Strong OPEC production discipline, the sense that economic growth may accelerate more rapidly than previously anticipated, and uncertainty regarding the Middle East have elevated near-term prices and prompted EIA to raise expected average West Texas Intermediate (WTI) prices for 2002 by about \$2 per barrel from March's projected \$22.80.

Despite strong evidence for a large excess supply of natural gas in the U.S., spot and near-term futures prices for natural gas climbed significantly in the latter part of March and early April. The estimated March monthly average spot price at the Henry Hub was \$3.03 per mmbtu (about 70 cents per mmbtu above the February price). EIA

CONGRESSIONAL ACTIVITIES

CONGRESSIONAL SCHEDULE

See [Attachment A](#) – Hearings of Interest

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STATUS OF PENDING AUTHORIZATION BILLS OF INTEREST TO FEMP

Refer to the Legislative Database on the FEMP web site at www.eren.doe.gov/femp/resources/initiatives.html.

Comprehensive Energy Legislation While controversy delayed passage of comprehensive energy legislation in the Senate, the chamber finally approved a bill, *S. 517*, on April 25; the bill was attached as an amendment to the House bill, *H.R. 4*. The House bill emphasizes production measures, and the Senate bill, although not as comprehensive when first introduced, focuses on energy efficiency and renewable energy. House and Senate conferees may be named this week; however, no schedule has been announced for conference negotiations. Observers believe that negotiations will not begin until sometime in May and may take months to resolve differences. Others predict that it will be impossible to negotiate an energy bill due to the significant differences between *H.R. 4* and *S. 517*. Key features of interest in the Senate bill include the following provisions:

Appliances Efficiency

- Reduces Seasonal Energy Efficiency Ratio to 20 percent by 2004 for air conditioners

Federal Renewable Portfolio Standard

- Directs utility industry to provide that one percent of electricity produced annually is derived from renewable resources; the percentage will increase each year to 10 percent by 2020
- Establishes a utility credit trading system to enable utilities to comply with the new requirement

DOE BULLETIN BOARD

predicts that natural gas wellhead prices will decline in the spring and continue to stay under \$3.00 per thousand cubic feet until the next heating season.

U.S. average gasoline prices increased about 23 cents per gallon from the first week to the last week of March, a record for a four-week period. Expect prices to continue to rise through the spring.

International Energy Outlook 2002, Energy Information Administration (EIA).

In its annual study, EIA reports that international energy demand will increase by 60 percent from 1999 levels by 2020. The EIA predicts that carbon dioxide releases will rise by about the same percentage—63 percent—especially as developing countries meet their growing energy appetites with oil.

NOTABLE QUOTES

"I said when I was running for president I supported ethanol, and I meant it. I support it now, because not only do I know it's important for the [agricultural] sector of our economy, it's an important part of making sure we become less reliant on foreign sources of energy."

President George Bush
Los Angeles Times, April 25

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WHAT'S NEW ON THE FEMP WEB PAGE?

FEMP Master Calendar

At www.fempqp.doe.gov you can see the new FEMP master calendar. This new tool includes energy management events sponsored by FEMP and other Office of Energy Efficiency and Renewable Energy programs (sorted by date, sponsor and DOE region), calls for projects, classes, workshops, conferences, and publications.

Also available are the personnel profiles, a listing of FEMP-related people with brief job descriptions, contact information, and job responsibilities.

Utility Industry

- Provides for a limited increase in authority for the Federal Energy Regulatory Commission over the utility market
- Addresses transmission and reliability issues

Corporate Average Fuel Economy Standards and Federal Fleets

- Maintains current standard; directs the National Highway and Transportation Administration to study a potential increase in standards
- Provides language (unavailable) on Federal fleet efficiency requirements

Tax Incentives

- Expands wind tax to include solar (five year extension), geothermal (five-year extension), open-loop biomass (three year extension), and animal waste (five year extension)
- Provides 10-year tax incentive program to encourage the acquisition of hybrid vehicles including \$4,000 to \$5,000 for cars and light trucks and \$5,000 to \$40,000 for vehicles that operate on compressed natural gas, hydrogen, E-85 (methanol), and liquefied petroleum gas

Once the bill is in print, a detailed list of provisions will be included in the next issue of *INSIGHTS: 107th Congress*.

Renewable Energy On April 24, House and Senate conferees approved ***H.R. 2646 - Agriculture, Conservation, and Rural Enhancement Act of 2001***. The bill includes language that provides a \$200 million incentive program over the next 10 years to help U.S. farmers develop renewable energy, implement energy efficiency improvements, support biomass research and development, and promote the use of biodiesel fuel in farming and rural communities. **The bill also includes a provision requiring the Federal Government to “give preference to biobased products in their purchasing agreements. This new requirement would**

DOE BULLETIN BOARD

Call for DER Projects

On April 18, 2002, FEMP announced a call for proposals from Federal agencies for financial and technical assistance to implement Distributed Energy Resources projects. This year, FEMP will provide \$500,000 in total funding for the program.

To request assistance from FEMP, complete and submit the application at the link below (available after May 4).

All proposals are due on or before **June 14, 2002**. Both successful and unsuccessful applicants will be notified by July 31, 2002.

The following documents provide more details about the call for projects, including instructions for completing the application, the application, and a sample agreement.

- Call letter and instructions for completing the application. ([Microsoft Word 54 KB; 5 pages](#)) ([PDF 31 KB; 5 pages](#))
- Attachment 1—FY 2002 FEMP DER Call for Projects Proposal. ([Microsoft Word 31 KB; 3 pages](#))
- Attachment 2—Sample DOE Interagency Agreement. ([Microsoft Word 103 KB; 14 pages](#))

regional and local supply disruptions. The Department of Energy has set up a 24-hour Gasoline Hotline that provides information on gasoline prices (800-244-3301). The Energy Information Administration now provides a daily Energy Situation Analysis Report to scrutinize world events that may disrupt supplies. Gordon Rausser, Professor of Economics at the University of California at Berkeley, presented research findings indicating that a ban on MTBE (as directed by the recently passed Senate comprehensive energy bill) will have adverse effects on the California economy. He said that “banning MTBE will lead to an increase in the total cost associated with gasoline use in the state of California.”

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“require the Federal Government to lead by example in opening up new markets for biobased products.” Some observers caution that there may be insufficient funds to support the renewable energy initiatives.

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NEW LEGISLATIVE INITIATIVES OF INTEREST TO FEMP

- See [Attachment B](#) – New Legislation of Interest

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HEARINGS OF INTEREST

Fuel Volatility On April 23, 2002, the Subcommittee on Energy Policy, Natural Resources, and Regulatory Affairs of the Committee on Government Reform held a hearing entitled "Fuel Markets: Unstable at Any Price?" Subcommittee Chairman Doug Ose (R/CA) expressed concern that, although gas prices are nowhere near the level of April 2001, “our gasoline markets face all the challenges that they did a year ago.” Vicky Bailey, Assistant Secretary of the Office of Policy and International Affairs in the Department of Energy, mentioned different initiatives the agency is taking to monitor fuel prices and supply around the world. **The United States has partnered with Canada and Mexico to form the North American Energy Working Group, a group dedicated to integrating the North American energy market and eliminating**

FEDERAL AGENCY

ACTIVITIES

DEPARTMENT OF ENERGY

Secretary of Energy Spencer Abraham joined Siemens Westinghouse Power Corporation and Southern California Edison in announcing that the world's first fuel cell-gas turbine hybrid power plant is now generating electricity and had passed a key site acceptance test. The advanced hybrid generator, the latest innovation to emerge from the Department of Energy's fossil energy fuel cell program, is being tested at the National Fuel Cell Research Center on the campus of the University of California at Irvine. "This new technology has the potential to alter the landscape of tomorrow's power industry," said Secretary Abraham. "It offers a preview of the day when more of our electricity will be generated by super-clean, high-efficiency power units sited near the consumer. Distributed generation could play a key role in strengthening the security and reliability of our power supply, and fuel cell-turbine hybrids could help make distributed power a reality." (Source: DOE Press Release, May 27, 2002)

The Electricity Advisory Board (EAB), a group of electricity experts assembled by Energy Secretary Spencer Abraham, held its first plenary session on April 23, 2002, in Washington, D.C. The 40-member committee consists of leaders of utilities, power companies, environmental groups, business interests, and others with expertise in electricity issues from around the country. The EAB, established to advise Secretary Abraham on electricity policy issues, heard from Federal Energy Regulatory Commission Chairman Patrick Wood III, Council on Environmental Quality Chairman James Connaughton, National Economic Council Associate Director Kevin O'Donovan, National Association of Regulatory Commissioners Vice President David Svanda, and Secretary of Energy Spencer Abraham.

Guest speakers and board members focused on six principal topics posed by Secretary Abraham: the health of competition in wholesale electricity markets, generation construction expectations, ensuring a reliable transmission infrastructure, the relationship between uncertainty regarding public policies and capital investment, and how competition in wholesale electric markets affects national economic and environmental policies and goals.

The board agreed that uncertainty due to Enron's collapse, the September 2001 terrorist attacks, and California's struggle with deregulation and other related electricity shortages challenge the development of a robust, secure, and increasingly competitive wholesale energy market. The group further concurred that coordinating a national, interconnected transmission network would be a difficult task. Several participants advocated the creation of a regional demonstration model, perhaps in the Midwest.

DOE's Office of Energy Efficiency and Renewable Energy published a notice in the April 24, 2002, issue of the *Federal Register* regarding the agency's updated forecasts for the representative average unit costs of five residential energy sources for the year 2002. The forecast is required by the *Energy Policy Act of 1992* for electricity, natural gas, No. 2 heating oil, kerosene, and propane. In addition, the department is required by the *Act* to provide prescriptive test procedures in order to make a determination of the estimated annual operating costs or other measures of energy consumption for certain consumer products. The source for price data was published in three Energy Information Administration publications:

- *Monthly Energy Review* (September 2001)
- *Short-Term Energy Outlook* (December 2001)
- *Monthly Energy Reviews*

For EIA publications, visit the EIA web site at www.eia.doe.gov.

The Office of Energy Efficiency announced in early April a new competitive grant and cooperative award cycle to fund information dissemination projects for energy efficiency and renewable energy. The agency intends to provide \$3 million to support energy efficiency proposals and \$1.2 million for renewable energy programs. Target areas for dissemination programs include buildings, transportation, and industry. Eligible applicants include nonprofit institutions and organizations, universities, Native American organizations, Alaskan Native Corporations, state and local governments, for profit organizations, and individuals. Grants and cooperative agreement awards will be funded for a period of six months to three years. To obtain more information on the funding program, contact Jacqueline Kniskern at 202-287-1476.

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ENVIRONMENTAL PROTECTION AGENCY

ENERGYSTAR® Update

- **On March 26, 2002, ENERGYSTAR® celebrated its tenth year of operation.** This year, the program recognized 36 outstanding businesses and organizations that have contributed to saving energy. To review the list of awardees, refer to www.epa.gov/nrgystar/pdf/2002_winners.pdf.
- **The ENERGYSTAR® consumer education program, “Cool Change,” has released some new tips to help homeowners save energy on cooling needs this summer.** In addition, a number of ENERGYSTAR® partners from throughout the U.S. are offering residential consumers incentives to purchase energy saving equipment. To learn more about the summer rebates and sales savings, visit the program web site at www.energystar.gov/coolchange/cons_deals.asp.
- **New ENERGYSTAR® specifications for residential central air conditioners and air-source heat pumps will become effective on October 1, 2002.** To learn more, visit the web site at [yosemite1.epa.gov/estar/consumers.nsf/attachments/HVACSpec2.pdf/\\$File/HVACSpec2.pdf?OpenElement](http://yosemite1.epa.gov/estar/consumers.nsf/attachments/HVACSpec2.pdf/$File/HVACSpec2.pdf?OpenElement).

The Environmental Protection Agency recently launched a new Green Building web “portal” intended to provide one convenient source of information on EPA programs and resources related to environmentally-friendly buildings. Information on programs including ENERGYSTAR®, Indoor Air, Smart Growth, Environmentally Preferable Building Products, and more is available at the site, www.epa.gov/greenbuilding/. (Source: *Green Building News*, April 2002)

The Environmental Protection Agency’s Clean Air Excellence Awards Program recognized the City of Los Angeles Energy Climate Action Plan as an innovative effort in achieving better air quality. Among other things, the city’s action plan aims to promote energy efficiency in city buildings, fleet vehicles, and equipment. A full list of winners can be accessed at www.epa.gov/oar/caaac/2001awar.html.

ATLANTA REGION

General Energy Conservation/Building Construction/Retrofit Projects

The Mobile (Alabama) District of the Army Corps of Engineers plans to conduct a market survey to identify potential contractors of and increase competition acquisition opportunities for direct digital controls for heating, ventilation, and air conditioning equipment. The results of the survey

will be used to purchase software and implement equipment upgrades at Hurlburt Field in Florida. For more information, contact Sony White at 251-5582 and refer to Solicitation Number MICH01-02-0001.

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BOSTON REGION

Utility/DSM Activities

The Department of Veterans' Affairs has awarded a contract to Energy New York, Inc., of Syracuse, New York, for electric utility services for two VA medical centers. The contract totaled \$2,324,100; for more information on Contract Number V500(N2)-4999, call Joseph Turton at 518-626-6846.

The General Services Administration has awarded at contract for \$18,819,360 to TransCanada Power Marketing for electricity. Service will be provided to Federal facilities located in the States of Massachusetts and New Hampshire for a period of 24 months. Contact Jerard Butler and refer to Contract Number GS-00P-02-BSC-0186.

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CHICAGO REGION

No news of interest to report.

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DENVER REGION

Utility/DSM Activities

The Federal Aviation Administration has announced a requirement for natural gas service for the Mike Monroney Aeronautical Center located in Oklahoma City, Oklahoma. For additional information on Solicitation Number DTFA01-01-R-24001, contact Cheryl Williams at 404-954-7863.

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PHILADELPHIA REGION

Utility/DSM Activities

The General Services Administration has awarded at contract in the amount of \$21,345,733 to PEPCO Energy Services of Washington, D.C. Electric power will be provided to various Federal facilities located in the Baltimore, Maryland region. For more information on Contract Number GS-00P-02-BSC-0185, contact Jerard Butler at 202-208-1180.

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SEATTLE REGION

No news of interest to report.

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MULTIPLE REGIONS

Utility/DSM Activities

The General Services Administration is seeking service providers for electricity for Federal facilities located in various areas of the country through two new solicitations. **For additional information on Solicitation Number GS-00P-02-BSC-0191 and GS-00P-02-BSC-0192, contact Linda Collins at 202-501-4267.**

The General Services Administration is also seeking an electricity service provider for Federal facilities located in the States of Delaware, New Jersey, and Pennsylvania. GSA has divided the proposed accounts into four pricing groups, which will be evaluated on an individual basis: PJM Pennsylvania and Conectiv accounts; Duquesne Light Company accounts, Public Service Electric and Gas Company accounts, and a 2.5 percent Renewable Power Contract account. Anticipated annual electric requirement for facilities in the three states is 340 kWh; 24 monthly billing cycles are planned and expected to begin on or after May 1, 2002. For more information, contact Jerard Butler at 202-208-1180.

STATE AND LOCAL GOVERNMENT ACTIVITIES

ATLANTA REGION

► *Status of Utility-Related Activities*

Several utility members of the advocacy organization **Partnership for Affordable Competitive Energy (PACE)** plan to petition the **Florida Public Service Commission to allow out-of-state utilities to enter the energy market in Florida.** PACE wants either an independent party or the state government to supervise bids to ensure a neutral selection process. Florida legislators such as Senator Tom Lee (R) believe that, in order for deregulation to occur in Florida, the incoming speaker of the house must support deregulation in accordance with the governor. (Source: *The Palm Beach Post*, April 3, 2002)

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BOSTON REGION

► *General State Activities*

The Massachusetts Technology Collaborative (MTC) has launched a \$14.6 million program to spur the development of green buildings by providing grants that will assist with early-stage feasibility studies and the design and construction of new buildings. Awards of up to \$500,000 are available for design and construction assistance to each applicant; other monetary awards are available for feasibility studies, public awareness, and public education activities. "This financing offers a powerful incentive that will lead to some of the most energy efficient buildings ever constructed in Massachusetts," said MTC Executive Director Mitchell Adams. "Working with developers, architects, and financial institutions, the program will support the creation of prototype facilities that will provide a blueprint for future projects looking to integrate clean energy technologies as a way to reduce operating costs and help the environment." (Source: *Green Building News*, April 2002)

► *Status of Utility-Related Activities*

Narragansett utility customers in Rhode Island will benefit from recently reduced standard offer rates that the Public Utility Commission claims will offset higher prices experienced over the

previous two years. Energy marketers opposed the rate drop, claiming that it would suppress competition. The new rates will expire in three years. (Source: *Utility Regulatory News*, April 16, 2002)

Maine's two-year-old electric industry deregulation program is being touted a "qualified success" by consumers and energy suppliers. By the end of 2001, competitive suppliers in the state served 44 percent of consumer electric needs. Critics are claiming that Maine's success is largely attributed to legislation that requires complete divestiture of generation assets from utilities providing transmission and distribution services, thereby relinquishing any need to favor one supplier over another. Other results of Maine's restructured market include:

- A diverse array of suppliers for industrial and large commercial customers
- Lower prices than before restructuring began
- Market-priced standard offer

(Source: *Business Wire*, March 27, 2002)

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CHICAGO REGION

► *General State Activities*

In June 2001, the City of Chicago and 48 city government agencies agreed to purchase 10 percent of their electricity from renewable sources, a figure set to increase to 20 percent in five years. Utilities in eight states across the country offer their customers the option of purchasing what is commonly called "green power," or electricity generated from renewable sources. (Source: *Eye for Energy*, April 4, 2002)

► *Status of Utility-Related Activities*

The Grand Rapids Business Journal hails Michigan's Electric Choice program as bringing "significant savings to retail businesses in the state." Savings have resulted in 10 to 30 percent reduction in electric bills. The large number of business signing up for alternative service is largely due to the Michigan Retailers Association signing up members about 18 months prior to deregulation. (Source: *Grand Rapids Business Journal*, March 22, 2002)

The Illinois Commerce Commission (ICC) has begun educating residential consumers about impending market deregulation scheduled to begin on May 1. In February, alternative retail electric suppliers included educational information in customer electric bills. While no energy companies have signed on to enter the residential market, ICC Chairman Richard Mathias hopes that "customers [will] learn about their electric service restructuring and be prepared to exercise future options." (Source: *Daily Herald*, March 25, 2002; *Journal Star*, March 26, 2002; www.icc.state.il.us)

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DENVER REGION

No news of interest to report.

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PHILADELPHIA REGION

► *Status of Utility-Related Activities*

Expensive wholesale power prices have driven Dominion Retail out of Virginia's competitive electricity market, causing 19,000 customers to return to Dominion Virginia Power service. The move makes Pepco Energy Services the only competitive supplier in the state. Dominion Retail blames the high wires charges assessed by Dominion Virginia Power for rendering it impossible to compete financially. Legislators are calling for elimination of the wires charge in order to stimulate a competitive market. (Source: *Richmond Times*, April 4, 2002)

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SEATTLE REGION

► *General State Activities*

The State of California has extended the California Solar Screen Rebate Program for a second year. The program provides a \$1-per-square-foot rebate for installing solar screens and, thus, assists residents and businesses in lowering their air-conditioning demands and costs. The rebate is offered for both residential and commercial buildings and pays \$1 per square foot of installed exterior solar screens on all south, west, and east windows, skylights, and glass doors. "The program has awarded over 5,600 rebates to residents and business throughout California. Our target is just over 23,000 installations. We believe we will reach that target by the end of the summer," said Program Manager Spencer Mills. For more information, visit www.solarscreenrebate.com. (Source: *Green Building News*, April 2002)

► *Status of Utility-Related Activities*

On April 11, the California State Senate passed a bill giving the Public Utilities Commission authority to examine generating plants to ensure their compliance with operating and maintenance standards. The bill was proposed in response to allegations that plant operators reduced operation or temporarily shut down plants to perform unscheduled maintenance during the power crisis of 2000 and 2001. Some say these actions created artificial shortages of electricity and resulted in higher electric prices. It is unclear whether Governor Gray Davis (D) will sign the bill. (Source: *Los Angeles Times*, April 12).

The California Independent System Operator (Cal-ISO) is developing a market design plan to replace price caps in the state and will file a request with the Federal Energy Regulatory Commission by May 1. To give the proposed market plan time to take effect, the Cal-ISO asked FERC on April 9 to extend wholesale energy market price controls through September 30, 2002. The cap is set to drop to \$93 per megawatt hour on May 1. (Source: *Reuters*, April 9, 2002)

The California Independent System Operator also filed a request with FERC to allow "intermittent" (solar or wind power sources that produce electricity during certain hours or under variable conditions) generation sources to participate in the competitive spot market. Cal-ISO's position is that intermittent generation will diversify the resource base, contributing to greater reliability. (Source: *FERC Docket Nos. ER02-922-000 and EL02-51-000*, March 27, 2002; *Dow Jones Newswires*, March 27, 2002; *American Wind Energy Association Press Release*, March 28, 2002)

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UTILITIES AND SUPPLIER ACTIVITIES

GENERAL ANNOUNCEMENTS

The Electric Power Research Institute (EPRI) recently announced the start of a program to develop, test, and apply tools to forecast future water availability and demand and to address the connection between fresh water availability and economic sustainability. Researchers will also examine management strategies and technologies that can aid in reducing water use. EPRI will employ environmental management models and tools to simulate scenarios of water use and management. These scenarios will allow researchers to study the effects of various environmental management options. (Source: *GreenBiz.com*, March 27, 2002)

The Green Business Network recently announced the formation of a series of partnerships with environmental and business groups to produce free web sites to enable companies to more effectively align environmental responsibilities with economic and business success. The sites will complement GreenBiz.com, an online source of tools, reports, news stories, job listings, government programs, and other resources related to business and the environment. The web sites include GreenerBuildings.com, a partnership with the U.S. Green Building Council; GreenerPaper.com, a partnership with the Recycled Paper Coalition; and GreenerFleets.com, a partnership with the American Council for an Energy-Efficient Economy. “These partnerships are a natural extension of our efforts to bring hands-on environmental information to mainstream companies,” said Joel Makower, founder of GreenBiz.com. “By zeroing in on these important issues, and by partnering with these respected leadership organizations, we will help the broadest possible audience of large and small companies improve their environmental and economic performance.” (Source: *E-Wire*, April 9, 2002)

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ATLANTA REGION

► Public Benefits Programs

FPL Energy recently purchased 175 wind turbines from Vestas Wind Systems of Denmark to expand their wind power generation. President of FPL Energy Ron Green hopes to “add 1,000 to 2,000 megawatts of wind power to [FPL’s] portfolio by the end of next year.” Already, FPL Energy produces 28 percent of its renewable power from wind. Mr. Green reports that FPL Energy constructed almost half of the wind-generating facilities built in the United States in 2001 and says, “Wind projects will be a major element of our expansion activity in 2002 and 2003.” (Source: *PR Newswire-FirstCall*, April 3, 2002)

Utilities in Florida are experiencing difficulty meeting their green energy goal established four years ago due to excessive costs for producing electricity from renewable sources in the state. Solar energy projects have been found to cost 10 times more than fossil fuels. Environmental implications are also causing a slowdown in green power production. JEA, a municipal utility located in Northeast Florida, has received criticism for using *Arundo donax* (a plant similar to bamboo that can be used to produce methane) in its biomass production because environmentalists charge that the plant may become invasive. Other states having difficulties include Massachusetts, where a 170-windmill installation is believed to be interfering with boating and tourism. (Source: *Wall Street Journal*, April 4, 2002)

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BOSTON REGION

► *Public Benefits Programs*

Green Energy Certificates are now being offered by the Connecticut Energy Cooperative toward the purchase of the EcoWatt, a product which consists of renewable power generated from wind, small hydro, and landfill methane. The certificates are available to consumers only for one-time green power purchasing. The EcoWatt is sold in 150-kWh blocks for \$3.59 for co-op members and \$3.99 for non-members. (Source: www.eren.doe.gov/greenpower)

Verizon recently installed seven 200 KW fuel cells to power a critical call routing center on Long Island, New York. The fuel cells will generate 900,000 Btus of usable heat and will be supported by four natural gas powered generators operating in parallel with the fuel cells as a hybrid system. Together, the system can generate up to 4.4 megawatts of electrical power. (Source: *Green Building News*, April 2002)

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CHICAGO REGION

► *Public Benefits Programs*

Illinois businesses will benefit from a new green power standard. Eight environmental and consumer groups in the state drafted the standard, which will help authenticate green power products. Green power products licensed by the standard must meet three eligibility requirements: 1) be produced from *new* renewable energy sources, 2) be produced from wind and solar power, and 3) result in clean air benefits for the state. Businesses participating in developing the standard include the Center for Neighborhood Technology, Illinois Public Interest Research Group, and the Environmental Law and Policy Center. (Source: www.eren.doe.gov/greenpower)

Wisconsin Public Service Corporation's green power program, NatureWise, recently earned Green Pricing Accreditation from the "Green Pricing Accreditation Initiative," a consortium of environmental, consumer, and clean energy groups. Renewable power in the NatureWise program is offered in blocks of 100 KW at \$2.65 per block. For more information on the standards, visit www.resource-solutions.org. Details on the NatureWise program can be found at www.wisconsinpublicservice.com.

Wisconsin Public Service Corporation has filed a request with the Public Service Commission to raise electric and natural gas rates for 2003 and 2004. The proposed increase for electric rates is 8.3 percent in 2003 and 4.9 percent in 2004, and for natural gas a 2.7 percent rate increase in 2003 and a 1.4 percent increase in 2004. The utility claims that increased costs linked to electric generation, infrastructure improvements, and heightened security costs at facilities spurred the rate request. On May 15 the company is expected to file a structured rate increase for different types of customers; residential, commercial, and industrial. (Source: *PR Newswire – FirstCall*, March 28, 2002)

Green Mountain Energy will begin selling renewable energy to customers in Sandusky, London, and Lagrange, Ohio. The company claims that the fuel mix of new renewable resources and natural gas is "70 percent less polluting than what most Ohioans are buying." (Source: www.eren.doe.gov/greenpower)

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DENVER REGION

► *Public Benefits Programs*

Green Mountain Energy Company has recently begun offering Central Power and Light electric customers the opportunity to purchase electricity generated from 100 percent wind power. Green Mountain is offering Texas residential customers in Corpus Christie, Victoria, Harlingen, McAllen, and portions of Brownsville an Easyrate pricing plan. The flat rate plan will insulate customers from seasonal rate fluctuations. The flat rate is 8.8 cents per kWh, plus a \$4.95 per month service fee. (Source: *PR Newswire*, April 2, 2002)

A Green Mountain Energy Company solar array is being constructed in the Upper Kirby District in Houston. The 440-panel installation, located on the top of the Upper Kirby District Center building, will be the largest of the city's solar facilities. BP Solar is responsible for manufacturing and designing the 43 kW installation. Although the facility is owned by Dutch utility Nuon, the solar power generated from the array will be delivered to the grid to serve customers of Green Mountain Energy Company's Big Texas Sun Club. (Source: *PR Newswire*, March 27, 2002)

Students at the University of Colorado recently voted in favor of raising student fees by \$1 per semester to allow the university to purchase wind power from the Public Service Company of Colorado. By using wind power, the university can lower campus emissions of carbon dioxide by 2.8 million pounds a year. CU-Boulder will be able to purchase two million kWh per year, making it the largest university purchaser of wind power in the nation. (Source: *Green Power Network*, April 17, 2002)

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PHILADELPHIA REGION

► *Restructuring Activities*

Provider of last resort customers (customers who have not switched to an alternative supplier) of Duquesne Light Company in Pennsylvania may be subject to market volatility after the contract runs out in 2004 if the utility does not negotiate a new supply arrangement. Duquesne Light Company president and CEO Morgan K. O'Brien said that the company wants to continue to provide "long-term protection and continued rate stability.... We want to avoid the type of market volatility California electric customers experienced." The utility is considering the following options for customers post-2004:

- negotiating an extension of the current arrangement,
- negotiating a similar arrangement with another generation company,
- entering into alternative supply arrangements, or
- a combination of two or more of the previous options.

(Source: *PR Newswire*, April 3, 2002)

Duquesne Light Company will no longer require customers to pay a Competitive Transition Charge (CTC) for their electric service. The "stranded cost" payments were used by the utility to pay off their power plant construction costs. Dropping the CTC will result in a 16 percent reduction in customer electric bills. (Source: *Pittsburgh Post-Gazette*, March 27, 2002; www.duquesnelight.com/index.cfm)

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SEATTLE REGION

► *General*

Bonneville Power Administration lowered its wholesale power rate by four percent on April 1. Over the past year, both short- and long-term power prices have fallen; spot prices dropped from \$300 mWh to \$30 mWh. BPA supplies nearly half of the non-firm power to the Northwest, and the utility is optimistic that it will have a surplus of non-firm power to sell into the market this year. While prices for electricity drop, BPA pledges to continue with power line and hydro system improvements as well as energy efficiency improvements. (Source: *PR Newswire*, April 3, 2002)

► *Public Benefits Programs*

Northwestern utilities **Portland General Electric and Pacific Power have attracted over 7,000 electric customers to purchase electricity produced from green power** since the program started two months ago. Seattle City Light has attracted another 1,200 customers to its green power program. (Source: www.eren.doe.gov/greenpower)

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ALTERNATIVE FUELS AND VEHICLES

GENERAL ANNOUNCEMENTS

The U.S. Army plans to develop and produce between four and 12 hybrid electric high mobility multipurpose wheeled vehicles (HMMWV). To accomplish this, the Tank-Automotive and Armaments Command is conducting a market survey to identify potential contractors for this initiative followed by a formal solicitation. The purpose of the project is to develop an HMMWV that consumes 30 percent less fuel compared to the current M1113 and HMMWV Operational Mission Summary and Mission Profile. Other desired characteristics include continuous auxiliary power at a minimum 30 kW, two modes of export power, and other features. For additional information, contact Dave Greer at 586-574-8898.

DynaMotive Energy Systems Corporation plans to create BioOil-producing partnerships among biomass producers, operators, and investors in Canada and the United States. DynaMotive's technology converts biomass into BioOil at a rate of 200 tons per day in its prototype pilot plant in British Columbia. Plant expansion is anticipated to rise to 400 tons per day in 2004. (Source: *E-Wire*, April 16, 2002)

By the end of March 2002, Toyota had sold 103,000 hybrid vehicles cumulatively throughout the globe. Toyota products represent 90 percent of the world's hybrid vehicles. Toyota began selling the gasoline-electric hybrid Prius in December 1997, the first mass produced hybrid vehicle. (Source: JustAuto.Com, April 22, 2002)

Volkswagen unveils the Volkswagen AG, the "one liter car." The AG consumes 0.89 liters of fuel for every 100 kilometers, which translates to a fuel economy of 239 miles per gallon. The one-cylinder, 0.3 liter diesel mid-engine combined with lightweight materials brings the two-seater's weight up to 639 pounds. (Source: *CALSTART News Notes*, April 22, 2002)

ATLANTA REGION

AFV Fleet Acquisitions

The Atlanta Police Department (APD) will test six Segway electric transports for a period of two months. The APD will use the Segway for everything from patrolling parks to parking enforcement. Georgia Power Co., Ambassador Force of Downtown Atlanta, and Atlanta Regional Commission have acquired Segways in conjunction with the APD. Georgia legislature limits the speed to seven miles per hour on the sidewalk, and 15 miles per hour, with helmet, on the road. (Source: Segway press release, April 23, 2002; *CALSTART News Notes*, April 24, 2002)

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BOSTON REGION

New Products and Services

In its Northeast Region, United Parcel Service (UPS) will test a 1,000-cubic-foot cargo delivery van with a fuel cell stack supplied by United Technologies Corp. IMPCO Technologies has been under contract to UPS to supply \$15 million in turnkey engine packages. As clean air regulations increase, delivery companies are exploring alternative fuels. (Source: *CALSTART News Notes*, April 23, 2002)

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CHICAGO REGION

Infrastructure Activities

Central Ohio Clean Fuels Coalition, which serves Columbus, Ohio, and seven surrounding counties, has been recognized for its commitment to using and building local markets for alternative fuels as part of the Department of Energy's designation of the central Ohio region to its Clean Cities Program. Central Ohio contains several alternative fuel stations for both fleets and the public. Aside from natural gas and propane, Columbus boasts an E85 fueling station, which was the first in the State of Ohio. (Source: Department of Energy press release, April 12, 2002)

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DENVER REGION

New Products and Services

Salt Lake City Clean Cities Coalition, the National Ethanol Vehicle Coalition, and Christensen Oil opened a new ethanol station in Provo, Utah, on April 11, 2002. The E85 (85 percent ethanol and 15 percent gasoline) opened at the Christensen Oil station. All flexible fuel vehicle owners were eligible for over 800 gallons of free E85. (Source: www.ccities.doe.gov/whats_new.shtml, April 2002)

Reliant Energy Entex fuels has opened a new compressed natural gas station in Clute, Texas. The station will serve the municipal fleet and other natural gas vehicles in the Clute area. The construction of the fueling station is fully covered by Reliant Energy Entex. (Source: *Natural Gas Fuels*, March 2002)

Great Plains Ethanol, LLC, is beginning construction in Chancellor, South Dakota, on their fifteenth ethanol plant in the United States. Broin Company of Souix Falls, South Dakota, is designing, building, and managing the plant, which will produce 40 million gallons of ethanol per year. South Dakota has five ethanol plants, with three more under constructed. (Source: Renewable Fuels Association press release, April 15, 2002)

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PHILADELPHIA REGION

AFV Fleet Acquisitions

The Washington Metropolitan Area Transit Authority (WMATA) will pay \$105 million for 250 new compressed natural gas (CNG) buses over the next two years. The Four-Mile Run facility in Arlington, Virginia, will be retrofitted to include a CNG fueling facility at a cost of \$22 million. These buses join the 164 that were introduced last year. By 2004, more than 25 percent of WMATA's fleet will be fueled by CNG. Part of this development includes retrofitting the remaining diesel buses with particulate traps and fueling them with low sulfur fuel. (Source: *Environmental News Service*, April 18, 2002; *Washington Post*, April 19, 2002)

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SEATTLE REGION

AFV Fleet Acquisitions

Tri-Country Metropolitan Transportation District of Oregon has purchased two forty-foot, low-floor, hybrid-electric transit buses for use in the Portland Metropolitan Area. New Flyer of America built the buses with an Cummins ISB diesel engine, which is assisted by electric motors during acceleration or inclines and advanced hybrid-electric drivetrains from a division of Electric Motor: Allison Electric Drive. These hybrid buses increase fuel efficiency by 50 percent. (Source: *CALSTART News Notes*, April 16, 2002)

Infrastructure Activities

Chevron Products Co. has introduced "Proformix" fuel at its Montebello, California, terminal. Proformix reduces particulate matter and nitrogen oxide emission with a water-in-diesel fuel blend produced by the Lubrizol Corp's technology. The fuel is available without modifying the engine or systems add-ons. (Source: *CALSTART News Notes*, April 23, 2002)

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MEETINGS, CONFERENCES, AND TRAINING WORKSHOPS

- Refer to [Attachment C](#) – Calendar of Upcoming Events.

ATLANTA REGION

No events of interest to FEMP.

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BOSTON REGION

The Department of Energy is co-sponsoring, along with EPA and the Department of Transportation, the **National Energy, Environment, and Transportation Summit on May 15-17 in New York City**. Topics include cleaner energy technologies and fuel options, smart growth initiatives, and highway and energy facility siting. For more information or to register, go to www.energetics.com/summit.html.

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CHICAGO REGION

FEMP is co-sponsoring the **Tenth National Conference on Building Commissioning on May 8-10 in Chicago, Illinois**. Topics include LEED™ Green Building Rating System, Control Systems, Existing Buildings, New Tools, Project Management, and more. For more information, see www.peci.org/ncbc/2002.

FEMP is sponsoring the **second in a series of four workshops, Distributed Energy Resources Workshop, in Chicago, IL on June 25-26**. Topics will include Combined Heat and Power, Microturbines, Industrial Gas Turbines, Reciprocating Engines, Fuel Cells, Energy Storage, and Renewables. The Atlanta workshop will occur May 23-24. For more information, go to www.eren.doe.gov/femp/techassist/der_resources.html.

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DENVER REGION

Energy and Power Risk Management magazine is holding their **annual conference in Houston, Texas, on May 14-15**. The three programs tracks are Risk Measurement, Management, and Control Techniques; Advanced Pricing, Hedging, and Trading Strategies; and Latest Regulatory Developments and Infrastructure Challenges. For more information, see www.eprm-conferences.com/eprm2002usa.

The Department of Energy is sponsoring the **2002 State Energy Program/Rebuild America National Conference on July 29-August 1 in New Orleans, Louisiana**. Specific topics will be announced at a later date on the conference website, www.2002conference.com.

The U.S. Green Building Council is sponsoring the **Green Building International Conference and Exposition on November 13-15 in Austin, Texas**. Topics will include LEED standards and Green Buildings Programs. For more information, see www.usgbc.com.

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PHILADELPHIA REGION

The U.S. Combined Heat and Power Association is sponsoring a conference, **Fulfilling the Promise of Combined Heat and Power, on May 7-8 in Washington, DC**. Topics include Interconnection and Tariffs, Tax Incentives, and Environmental Issues, and there will be a Congressional reception. For more information, go to www.nemw.org/uschpa.

FEMP is sponsoring the **Implementing Renewable Energy Project Workshop on May 21-22 in Washington, DC**. The workshop is free, and readers of *FEMP Monthly Update* can register with Annett Eiffert at annett@solarstreetfurniture.com or at (916) 721-7473.

Eye for Energy is sponsoring a conference, Strategic Energy Management USA, on June 24-25 in Philadelphia, Pennsylvania. Topics include Deregulating Market Opportunities, Reliability, Energy Efficiency, and more. For more information, see www.eyeforeenergy.com/sem.

The Department of Energy is holding a public workshop to receive comments on energy conservation standards for furnaces and boilers in Washington, DC, on May 8. The specific topic is venting systems for residential furnaces and boilers. Written comments should be submitted by June 7. For more information, contact Brenda Edwards-Jones at (202) 586-2945, or go to www.eren.doe.gov/buildings/codes_standards/.

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SEATTLE REGION

No events of interest to FEMP.

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STUDIES, REPORTS, AND ANALYSES

➤ See also [Attachment D](#), *New Technologies*.

ENERGY AND WATER CONSERVATION

***Integrated Solutions for Energy and Facility Management*, Association of Energy Engineers, 2002.**

This 545-page book covers the most recent developments in energy management in essays from over 90 authors. Topics include Combined Heat and Power, FEMP Developments, Building Controls and Automation, and much more. To order online, go to www.aeecenter.org.

***Plant Engineers and Managers Guide to Energy Conservation, Eighth Edition*, Albert Thumann, 2002.**

This new edition of the Association of Energy Engineers book describes engineering and management strategies that can cut industrial energy costs by as much as 40 percent. To order online, go to www.aeecenter.org.

***Energy Management Systems and Direct Digital Control*, Richard Panke, 2002.**

This new book is written in simple language for the average building owner or facility manager. It covers a wide variety of tools to manage energy and control interior environment. To order online, go to www.aeecenter.org.

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***HVAC Control in the New Millennium*, Michael Hordeski, 2002.**

The book covers HVAC controls with respect to reducing energy consumption. To order online, go to www.aeecenter.org.

SOLAR AND RENEWABLE ENERGY

The Energywise Construction Funding Directory for Green Buildings, Jan McAdams, The McAdams Group, April 2002.

This guide provides architects, building owners, and contractors with grant guidance, technical assistance, creative financing methods, and information on private-public partnerships for commercial “green” buildings. For more information and an order form, go to www.fundinggreenbuildings.com

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UTILITY-RELATED ISSUES

Small-Scale Cogeneration Handbook, Bernard Kolanowski, 2002.

This 168-page guide contains information on evaluating the potential for cogeneration in commercial and industrial facilities. To order online, go to www.aeecenter.org.

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ECONOMIC ANALYSES

Federal Real Property, Better Governmentwide Data needed for Strategic Decisionmaking, General Accounting Office, April 2002. (GAO-02-342).

This report was prepared in response to a March 13, 2001, request from the House Subcommittee on Economic Development, Public Buildings and Emergency Management, Committee on Transportation and Infrastructure. The subcommittee is concerned about future budgeting and strategic planning for Federal facilities. Based on a real property inventory conducted by the General Services Administration in 2000, the investigation revealed that 30 Federal agencies own hundreds of thousands of real property assets valued at several hundred billion dollars. This inventory includes the full range of property categories including but not limited to office buildings, military installations, laboratories, postal facilities, courthouses, and embassies, among others. Independent of this assessment, the Department of the Treasury prepares an annual document with financial information on real property assets government-wide. The subcommittee asked GAO to determine:

- Whether the worldwide inventory has reliable and useful data on the government’s real property assets
- What actions, if any, may be needed to make the worldwide inventory a useful tool for strategically managing and overseeing these assets.

In brief, the GAO study revealed the following:

- Worldwide data for FY 2002 were not current for 12 of the 31 real property agencies.
- Inventory did not contain certain key data information such as space utilization, facility condition, historical significance, security, and facility age.
- Several factors contributed to the problems including poor communication between GSA and the agencies, technical difficulties with agency data, resource constraints, and GSA’s lack of specific statutory authority to require agencies to submit data.

To view the report, visit the GAO web site at www.gao.gov.

CLIMATE CHANGE

Common Elements Among Advanced Greenhouse Gas Management Programs, Partnership for Climate Action (PCA), April 2002.

This report describes the basic components of a successful corporate greenhouse gas management program. The report also describes previous efforts to implement greenhouse gas management programs. The report identifies four key areas of greenhouse gas management: Target setting, measuring emissions, rules governing reduction activities, and accountability. A full copy of the report is available at www.environmentaldefense.org/documents/1885_PCABooklet.pdf.

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MISCELLANEOUS

Tomorrow's Markets: Global Trends and Their Implications for Business, United Nations Environment Programmes (UNEP), the World Business Council for Sustainable Development, and the World Resources Institute, April 3, 2002.

This report states that businesses wishing to succeed in a global economy must respond effectively to the major social and environmental trends that are reshaping today's markets. These trends include increasingly rigorous governmental regulations and societal expectations of responsible behavior. The report claims that business' ability to reduce consumption and waste creates new opportunities for growth through less wasteful processes. More information on this report is available at www.uneptie.org/outreach/wssd/TM/pub_TM.htm.

Sustainability Reporting Guidelines, The Global Reporting Initiative, April 2002.

The Global Reporting Initiative (GRI) participated with representatives from businesses, accounting firms, investment firms, environmental organizations, and labor groups from around the world to develop these guidelines. "The GRI *Guidelines* have encouraged us to take a more comprehensive look at our performance according to the triple bottom line of economic, environmental, and social responsibility," said Harry Kraemer, CEO of Baxter International. GRI is preparing a newer version of the *Sustainability Reporting Guidelines* to be released in July 2002. For more information, go to www.globalreporting.org. (Source: Press Release, April 4, 2002)

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ATTACHMENT A

HEARINGS SCHEDULE

HOUSE – APPROPRIATIONS

There are no hearings of interest to report.

HOUSE – AUTHORIZATIONS/OVERSIGHT

Date/Committee	Chair	Hearing Title/Issues	Witnesses	Time/Location
April 30 – Subcommittee on Military Procurement (Committee on Armed Services)	Curt Weldon (R/PA)	<i>Mark up -</i> <i>H.R. 4546</i> To authorize appropriations for fiscal year 2003 for military activities of the Department of Defense, and for military construction, to prescribe military personnel strengths for fiscal year 2003, and for other purposes.	TBD	2:00 p.m. Room 2118 Rayburn Office Building
April 30 – Subcommittee on Research and Development (Committee on Armed Services)	Duncan Hunter (R/CA)	<i>Mark Up –</i> <i>H.R. 4546</i> To authorize appropriations for fiscal year 2003 for military activities of the Department of Defense, and for military construction, to prescribe military personnel strengths for fiscal year 2003, and for other purposes.	TBD	5:00 p.m. Room 2118 Rayburn Office Building

Date/Committee	Chair	Hearing Title/Issues	Witnesses	Time/Location
<i>May 1</i> - Committee on Armed Services	Bob Stump (R/AZ)	Mark Up – <i>H.R. 4546</i> To authorize appropriations for fiscal year 2003 for military activities of the Department of Defense, and for military construction, to prescribe military personnel strengths for fiscal year 2003, and for other purposes.	TBD	10:00 a.m. Room 2118 Rayburn Office Building

SENATE – APPROPRIATIONS

There are no hearings of interest to report.

SENATE – AUTHORIZATIONS/OVERSIGHT

Date/Committee	Chair	Hearing Title/Issues	Witnesses	Time/Location
<i>April 30</i> – Subcommittee on Investigations (Committee on Governmental Affairs)	Carl Levin (D/MI)	Hearing – Gas Prices: How are they really set, and why have they become so volatile?	TBD	9:30 a.m. Room 342 Dirksen Office Building
<i>May 2</i> – Subcommittee on Investigations (Committee on Governmental Affairs)	Carl Levin (D/MI)	Hearing – Gas Prices: How are they really set, and why have they become so volatile?	TBD	9:30 a.m. Room 342 Dirksen Office Building

CONFERENCE COMMITTEE NEGOTIATIONS/FLOOR VOTES

There are no hearings of interest to report.

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ATTACHMENT B

NEW LEGISLATION

HOUSE

Number	Short title	Date	Sponsor	Status
<i>H.R. 4514</i>	<i>Veterans' Major Medical Facilities Construction Act of 2002</i>	April 18	Jerry Moran (R/KS)	Referred to the Committee on Veterans' Affairs
	Key Provisions:	Authorizes the Secretary of Veterans Affairs to carry out construction projects for the purpose of improving, renovating, and updating patient care facilities at Department of Veterans' Affairs medical centers, and for other purposes		
		Authorizes to be appropriated to the Secretary of Veterans Affairs for fiscal year 2003 for the Construction, Major Projects, account \$285,000,000 and includes the following projects:		
		(1) Ambulatory Surgery and Clinical Consolidation at the Department of Veterans Affairs Medical Center, Cleveland, Ohio, \$32,500,000		
		(2) Consolidation of Department of Veterans Affairs and Department of Defense health and benefits offices, Anchorage Alaska, \$59,000,000		
		(3) Ward Renovation at the Department of Veterans Affairs Medical Center, West Haven, Connecticut, \$15,300,000		
		(4) Ambulatory Care Expansion at the Department of Veterans Affairs Medical Center, Tampa, Florida, \$18,230,000		

SENATE

No new legislation of interest to report.

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ATTACHMENT C

MEETINGS, CONFERENCES, AND OTHER EVENTS

NOTE: New events are highlighted in **blue**.
DOE-sponsored events are highlighted in **red**.

ATLANTA REGION

DATE	EVENT	SPONSOR
May 6-7, 2002	American Public Power Association Utility Education Course: Demand Side Management: Energy Efficiency in a Competitive Electric Power Market Key West, FL	American Public Power Association
May 8-9, 2002	Southeast Green Power Summit Raleigh, NC	North Carolina Solar Center
May 23-24, 2002	Distributed Energy Resources Workshop Atlanta, GA	FEMP

BOSTON REGION

DATE	EVENT	SPONSOR
May 15-17, 2002	National Energy, Environment, and Transportation Summit New York, NY	Department of Energy
June 2-4, 2002	EEI Annual Convention/Expo Boston, MA	Edison Electric Institute
July 24-26, 2002	Fundamentals of Buying and Selling Energy Boston, MA	Association of Energy Engineers

CHICAGO REGION

DATE	EVENT	SPONSOR
May 6-10, 2002	Comprehensive Five-Day Training Program for Energy Managers Chicago, IL	Association of Energy Engineers
May 8-10, 2002	Tenth National Conference on Building Commissioning Chicago, IL	FEMP
May 9-11, 2002	National Conference on Building Commissioning Chicago, IL	Portland Energy Conservation, Inc.
June 23-25, 2002	95 th Annual Convention and Office Building Show Chicago, IL	Building Owners and Manufacturers Association

DATE	EVENT	SPONSOR
June 25-26, 2002	Distributed Energy Resources Workshop Chicago, IL	FEMP
June 27-28, 2002	The Business Case for Cogeneration Chicago, IL	Center for Business Intelligence
July 22-25, 2002	FedFleet 2002 Kansas City, MO	Federal Fleet Policy Council and GSA

DENVER REGION

DATE	EVENT	SPONSOR
May 12-15, 2002	Eighth National Clean Cities Conference and Exposition Oklahoma City, OK	Office of Transportation Technologies Department of Energy
May 14-15, 2002	Energy and Power Risk Management Annual Conference Houston, TX	<i>Energy and Power Risk Management Magazine</i>
May 20-21, 2002	Diversify Your Generation Portfolio with Renewable Energy Houston, TX	Center for Business Intelligence
July 29-August 1, 2002	2002 State Energy Program/Rebuild America National Conference New Orleans, LA	Department of Energy
August 1-2, 2002	American Public Power Association Utility Education Course: Restructuring/Competition Update: Lessons Learned from California Snowmass/Aspen, CO	American Public Power Association
November 13-15, 2002	Green Building International Conference and Exposition Austin, TX	U.S. Green Building Council

PHILADELPHIA REGION

Date	Event	Sponsor
May 7-8, 2002	Fulfilling the Promise of Combined Heat and Power Washington, DC	U.S. Combined Heat and Power Association
May 8, 2002	Public Workshop on Energy Conservation Standards for Furnaces and Boilers Washington, DC	Department of Energy

Date	Event	Sponsor
May 15-17, 2002	Fundamentals of Buying and Selling Energy Washington, DC	Association of Energy Engineers
May 21-22, 2002	Implementing Renewable Energy Project Workshop Washington, DC	FEMP
July 15-19, 2002	Comprehensive Five-Day Training Program for Energy Managers Valley Forge, PA	Association of Energy Engineers
June 24-25, 2002	Strategic Energy Management USA Philadelphia, PA	Eye for Energy
September 27-October 5, 2002	Solar Decathlon Village Washington, DC	Department of Energy

SEATTLE REGION

DATE	EVENT	SPONSOR
June 2-5, 2002	Energy 2002 Palm Springs, CA	Federal Energy Management Project
June 6-7, 2002	West Coast Energy Management Congress Anaheim, CA	Association of Energy Engineers
June 15-20, 2002	Solar 2002 Reno, NV	American Solar Energy Society
June 17-21, 2002	Comprehensive Five-Day Training Program for Energy Managers San Francisco, CA	Association of Energy Engineers
June 22-26, 2002	2002 Annual Meeting Honolulu, HI	American Society of Heating, Refrigeration, and Air-Conditioning Engineers
June 30-July 5, 2002	Ninth International Conference on Indoor Air Quality and Climate Monterey, CA	International Academy of Indoor Air Sciences
August 18-23, 2002	Teaming for Efficiency Pacific Grove, CA	American Council for an Energy Efficient Economy

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ATTACHMENT D– NEW TECHNOLOGIES

For informational purposes only. Listing does not imply endorsement.

Technology	Manufacturer	Manufacturers Claim	Contact
HVAC			
FAXA Packaged Rooftop Systems	Trane	Increased energy- and cost-efficiency	www.trane.com/commercial/newsrelease/11502A.asp
New Line of Extended-Length UVC Emitters™	Steril-Aire, Inc.	Keep coils and drain pans clean, returning or maintaining coil heat exchange efficiency for energy savings	www.steril-aire-usa.com/
Improvements to L Series® Line of Commercial Packaged Roof-Top Equipment	Lennox Industries Inc.	Higher efficiencies on the standard-efficiency models to comply with ASHRAE Standard 90.1-1999; L Series has ratings of 12.0 EER and 13.4 IPLV	www.lennoxinternational.com
LIGHTING			
Metalarc Ceramic Lamps (TC BIPIN, T6 & T7 Double Ended, 250W Mogul Base Lamps)	Osram Sylvania	Higher efficacy compared to conventional quartz metal halide	www.sylvania.com/business/news/0402.htm
Quicktronic® MH Electronic Metal Halide Ballasts	Osram Sylvania	Additional energy savings (10-15% typical) compared to magnetic metal halide	www.sylvania.com/business/news/0402.htm
COMPUTERS			
Instantly Available Personal Computer (IAPC)	Intel®	Power consumption in standby mode less than five watts, surpassing Energy Star® limits of 15 watts	www.intel.com

Technology	Manufacturer	Manufacturers Claim	Contact
ENERGY MANAGEMENT TOOLS/ TECHNOLOGY			
Solomat MP Surveyor Pro Air Monitor	Lumidor Safety Products	Monitors up to eight parameters: temperature, rh, rpm, CO, CO2, pressure differential, airspeed, and particulates, says the manufacturer.	http://www.lumidor.com
Chip Card Data Measuring System	Istec Corp.	Measures and reads hot- or cold-water consumption, Btu in heating-cooling systems, oil consumption, gas consumption, and more, says the manufacturer.	http://www.istec-corp.com
Powerlogic CM4000 Portable Circuit Monitor	Square D	For temporary monitoring of energy and power quality disturbances or where existing switchgear will not accommodate permanent installation of circuit monitors, says the manufacturer.	http://www.powerlogic.com/products.cfm?id=13
IAQ100	Phoenix Controls Corporation	Analyzes monitoring data and building characteristics to diagnose problems and provide solutions, states the manufacturer.	http://www.phoenixcontrols.com/
Building Life-Cycle Cost Software Program, BLCC5	National Institute of Standards and Technology, Office of Applied Economics	Evaluates long-term costs and benefits of energy and water conservation projects; compares life-cycle cost of two or more alternative designs to determine which is more economical, states the manufacturer.	http://www.eren.doe.gov/femp/techassist/softwaretools/softwaretools.html#blcc
9600 Multipurpose Meter	Siemens Energy & Automation	Combines the functions of a three-phase power quality meter, web server, analyzer, and controller in one package, states the manufacturer.	http://www.sea.siemens.com

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